Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_

Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Math 8

Cumulative Review #1.8

**Show work for all questions for full credit**

**& write your answers on the lines provided!!!**

(*If you feel no work is needed you must explain your reasoning.)*

1. Which ordered pair is *not* a solution of the equation y = 3x − 3?

A. (−1, −1) B. (0, −3) C. (1, 0) D. (2, 3)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Simplify (2m + 3)2.

A. 4m2 + 9 B. 4m2 + 12m + 9

C. 2m2 + 12m + 9 D. 2m2 + 6m + 9

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Simplify the expression 3(x2 – 1) – (x2 – 7x + 10)

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Sue and Kathy were doing their algebra homework. They were asked to write the equation of the line that passes through the points (-3, 4) and (6, 1). Sue wrote and Kathy wrote . Justify why both students are correct.

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Solve and check the following equation:

(24 − 8x) = 2(5x + 1)

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_